**COMMAND CHEAT SHEET IN SR1**

source /cvmfs/atlas.cern.ch/repo/sw/tdaq/tools/cmake\_tdaq/bin/cm\_setup.sh tdaq-09-04-00

source /tbed/user/sroychou/repos/oks/setup\_everything.sh

start\_infr

start\_TagManager

start\_daqslice

/det/pix/daq/current/scripts/changeRateDave.sh 8

RunConfigEditor --dbPart PixelInfr\_sroychou --idTag SR1-22 --connTag SR1-CONN --cfgTag SR1\_BOC --cfgModTag SR1\_MOD --pendTag saveme --runConf SIM\_1A\_READY

cd $PIXSCAN\_STORAGE\_PATH

ls -ltr

cp RUN\_R000057820.root ~/

root -l RUN\_R000057820.root

AceProgrammer 7 /det/pix/fw/test/ROD/Slaves/TopMerger/rodSlave\_top\_calibration\_boot\_e925784d3e12264492e6bfe9285c283291e56a7f\_pixel.ace

reset\_ROD\_FPGAs 17 all yes

HCP\_getVersionInfo --rodName ROD\_C1\_S17

HCP\_dumpRodRegisters --rodName ROD\_C1\_S7 | grep FmtD

AceProgrammer 7 /det/pix/fw/reload\_from\_PROM/S6B\_from\_PROM.ace

AceProgrammer 7 /det/pix/fw/reload\_from\_PROM/S6A\_from\_PROM.ace

Ssh -XY pcpix-sr1-01

Ssh sbcpix-sr1-01

Ssh -XY pix-sr1-01

(In pix-sr1-01) /home/sw/scripts/run\_xilinx\_cc7.sh analyzer , or ise or impact

git clone --single-branch -b fw\_Separated2 <https://gitlab.cern.ch/atlas-pixel/daq/pixelrod_firmware/RodSlave>

AceProgrammer 17 ~/fw\_debug/v1/rodSlave\_top\_calibration\_CS\_boot\_103ccd7763bf22eefdf2125f3fdcb1e1f2a5c161\_pixel.ace

source /opt/Xilinx/14.7/ISE\_DS/settings64.sh

/home/okepka/fw/RodSlave/scripts/bit2svf -3 fw\_debug/v3/rodslave\_top\_calibration.bit -6 fw\_debug/v3/rodslave\_top\_calibration.bit

~/bit2svf -3 rodslave\_top\_calibration.bit -6 rodslave\_top\_calibration.bit -o rodslave\_top\_calibration\_3\_24.svf

~/svf2ace

pmg\_kill\_partition -p PixelInfr\_sroychou

pmg\_kill\_partition -p PIXSR1-DAQSlice\_sroychou

start\_rm\_gui (free resources for good cleanup)

Dave 3 ==> 100 khz

Dave 5 ==> 60 khz

Dave 6 ==> 30 khz

Dave 7 ==> 15 khz

Dave 8 ==> 7.5 khz

Dave 9 ==> 3.7 khz

Dave 10 ==> 1.8 khz

tail -f /det/pix/logs/VmeUart/sbcpix-sr1-01.cern.ch/ROD\_C1\_S7/PPClog\_current

Firmware\Pixel

source hash2id.sh

BOC2\_DumpRegisters -H rod-pix-c1-s17-bocctl | grep "Received Frames"

BOC2\_DumpRegisters -H rod-pix-c1-s07-bocctl | grep “live”

Kinit – if permissions denied, login again

RODMON create new disable

Boc – module

Right click on modules – Enable/disable

Save disable – give own name

Set verbose to see register stuff

In sbc

VmeUartControl -s 17 -v north

In pcpix

HCP\_setSlaveVerbose --rodName ROD\_C1\_S7 --verbose 1 --slave 0

Start vmeuart in sbc – only user who started can stop

VmeUartReader &

To view logs

In directory

/det/pix/logs/VmeUart/sbcpix-sr1-01.cern.ch/ROD\_C1\_S17

tail -f PPClog\_current

-10000 PPClog\_current | less

ssh -XY pcatlpixsr1dcs3.cern.ch /localdisk/startPIX\_SR1\_FSM.bash

$SCRIPTDIR/bit2svf -3 ${NORTH\_BIT} -6 ${SOUTH\_BIT} -o $SVF

FSM

ssh -XY pcatlpixsr1dcs3.cern.ch

/localdisk/startPIX\_SR1\_FSM.bash

ssh root@rod-pix-c1-s07-master

BOC2\_DumpRegisters -H rod-pix-c1-s07-bocctl

HCP\_dumpRodRegisters --rodName ROD\_C1\_S7

Changing dave card setting

ssh sbcpix-sr1tcc-01

DaveModuleTest

Card address - 17